



TRANS TECH CONSULTANTS

Environmental Compliance Services
Engineers • Geologists • Architects
License # 697833 (A-Haz)

December 6, 2005

Job No. 1514.01

Mr. Cliff Ives
Sonoma County Department of Health Services
Division of Environmental Health
475 Aviation Blvd., Suite 220
Santa Rosa, California 95403

Subject: Monitoring Well Abandonment Report
1170 Limerick Lane, Healdsburg, California
SCDHS-DEH Site # 00001684

Dear Mr. Ives:

This letter presents the results of the monitoring well abandonment procedures performed at the subject site. The subject site is approximately located as shown on the Site Location Map, Plate 1. The work was performed to comply with site closure requirements outlined in a September 26, 2005 letter from Mr. Cliff Ives of the Sonoma County Department of Health Services Division of Environmental Health (SCDHS-DEH).

On November 17, and 18, 2005 Trans Tech Consultants (TTC) and Clear Heart Drilling, of Santa Rosa, California were onsite to perform the monitoring well abandonment procedures at the subject site. A total of three two-inch groundwater monitoring wells (MW-1 through MW-3) were abandoned. The locations of the former monitoring wells are shown on the Site Plan, Plate 2. Clear Heart Drilling is a licensed C-57 contractor, and the monitoring wells were abandoned in accordance with State and local guidelines. The well seals and sand packs were over-drilled using hollow stem auger equipment. The PVC well casings were then removed from the holes. While abandoning monitoring well MW-2, the drilling rod inserted into the well casing became unattached and the well casing was broken up by the lead auger. As a result, approximately 25 feet of well casing and 30 feet of drilling rod were trapped in the borehole approximately 15 feet below the ground surface (BGS). Several unsuccessful attempts were made to recover the drilling rod and well casing from the borehole. The remainder of the monitoring well was over-drilled with hollow stem augers and left open over night. One final unsuccessful attempt to retrieve the rod and casing was made prior to grouting the hole on November 18, 2005. After over-drilling, all monitoring wells were tremmie grouted with a cement bentonite grout to within approximately three to five feet BGS. The remainder of the hole were filled with onsite soil material. Mr. Cliff Ives of the SCDHS-DEH was onsite November 17, 2005 and observed part of the abandonment of MW-2. Mr. Ives observed the attempts to retrieve the lost rod and well casing and concurred with grouting the rod and casing in the borehole.

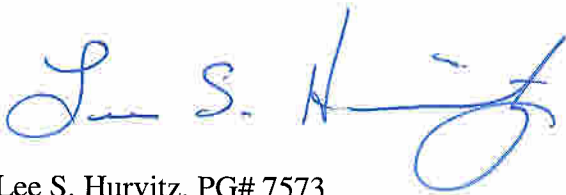
The metal Christy boxes, concrete seals and PVC casings were separated from the drill cuttings and disposed of in offsite garbage bins. The remainder of the drill cuttings were spread onsite.

At the conclusion of the drilling activities, approximately 150-gallons of monitoring well purge water generated from quarterly sampling and rinse water generated from decontamination procedures, were discharged onsite. The metal 55-gallon drums were removed by TTC and recycled at West Coast Metals in Windsor, California.

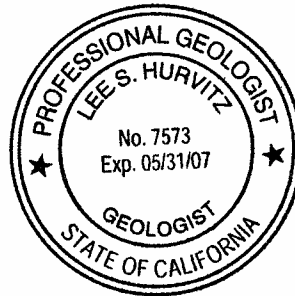
We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at (707) 575-8622 or www.transtechconsultants.com.

Sincerely,

TRANS TECH CONSULTANTS

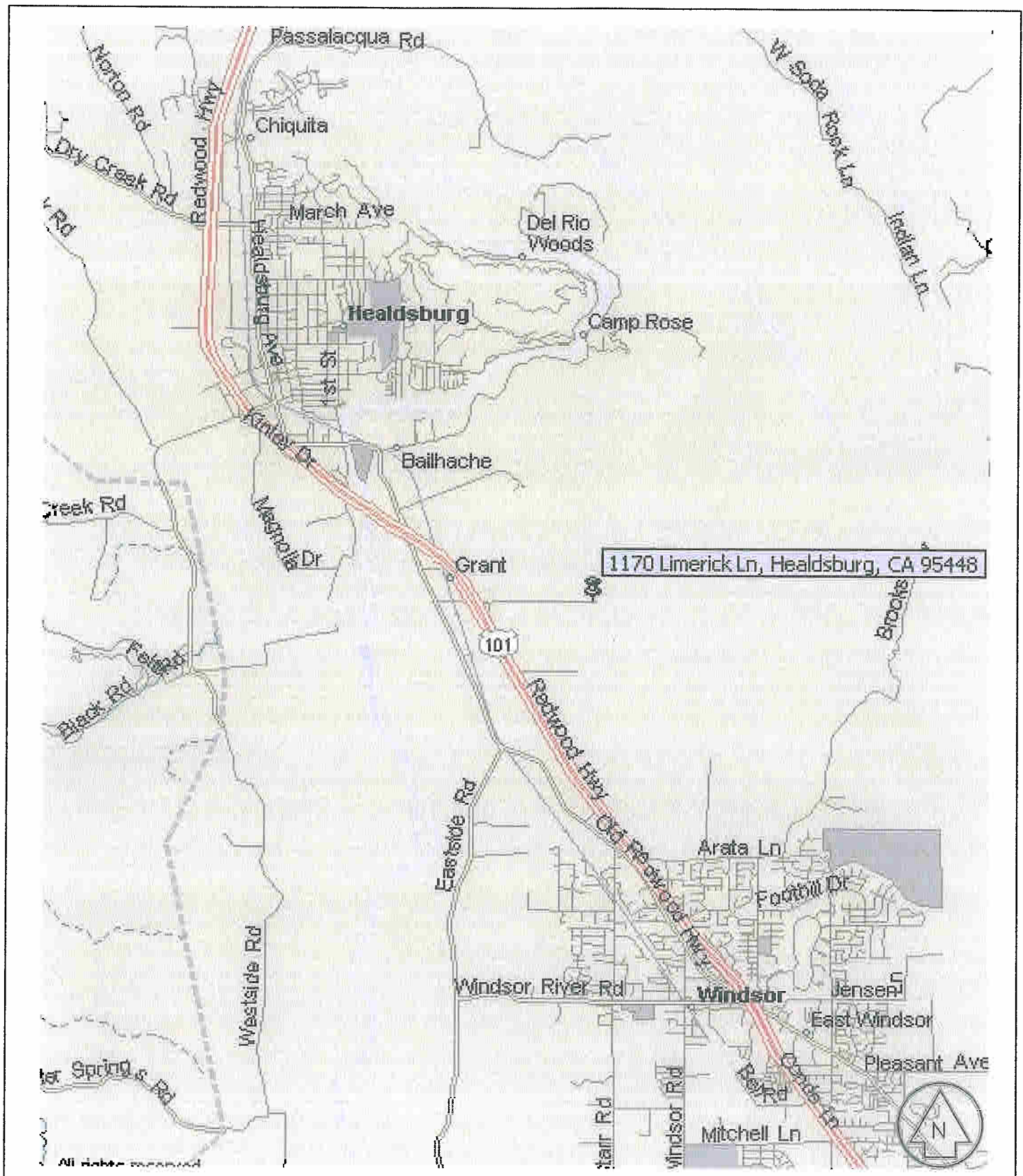


Lee S. Hurvitz, PG# 7573
Professional Geologist



Attachments: Plate 1, Site Location Map
 Plate 2, Site Plan
 Distribution List





TRANS TECH CONSULTANTS

930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

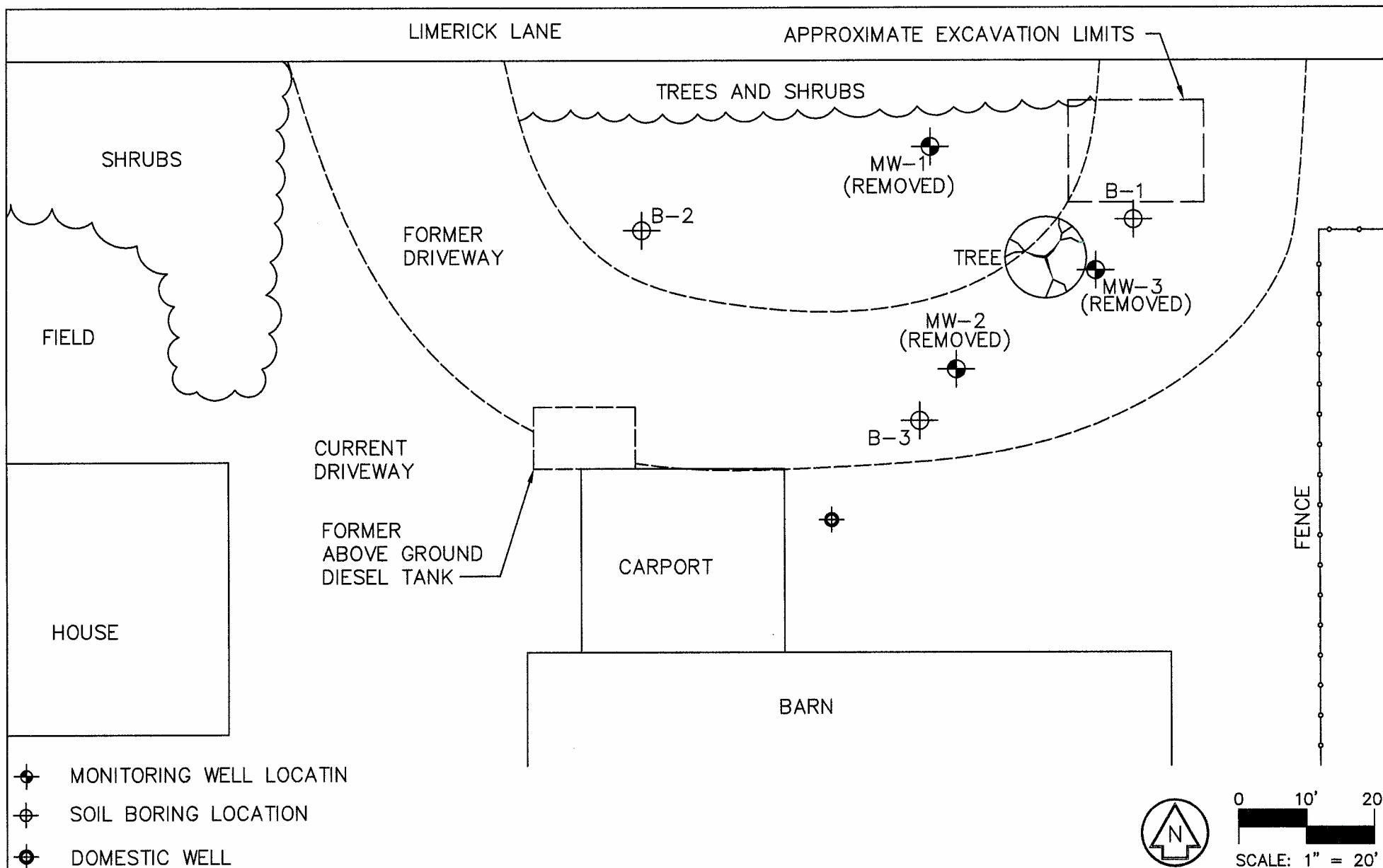
SITE LOCATION MAP

GARDNER
1170 LIMERICK LANE
HEALDSBURG, CALIFORNIA

PLATE:

1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	1514.01. SLM	LSH	1514.01	A-224		2/10/04



930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN FORMER BORING AND MONITORING WELL LOCATIONS

GARDNER
1170 LIMERICK LANE
HEALDSBURG, CALIFORNIA

PLATE:

2

DRAWN BY: PSC	DWG NAME: 1514.01 SP	APPR. BY: LSH	JOB NUMBER: 1514.01	W.O. NUMBER: A-519	REVISIONS:	DATE: 12/06/05
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DISTRIBUTION LIST
Monitoring Well Abandonment Report
1170 Limerick Lane
Healdsburg, California
December 6, 2005
Job No. 1514.01

Mr. Charles Gardner
1170 Limerick Lane
Healdsburg, California 95448

Beth Lamb
North Coast Regional Water
Quality Control Board
5550 Skylane Blvd., Suite A
Santa Rosa, California 95403

